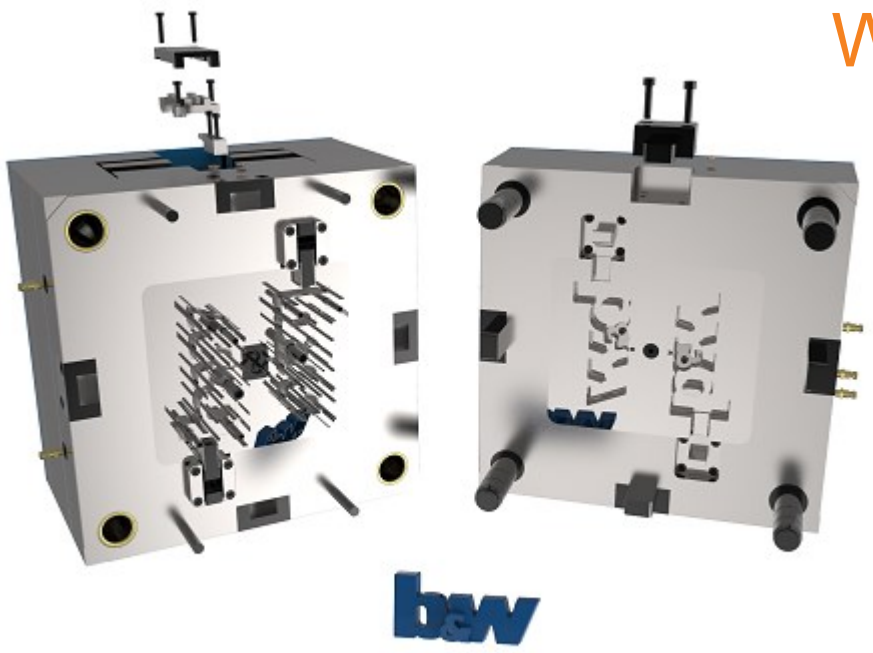
EMX 12.0.2.4

What's New?



Enhancements

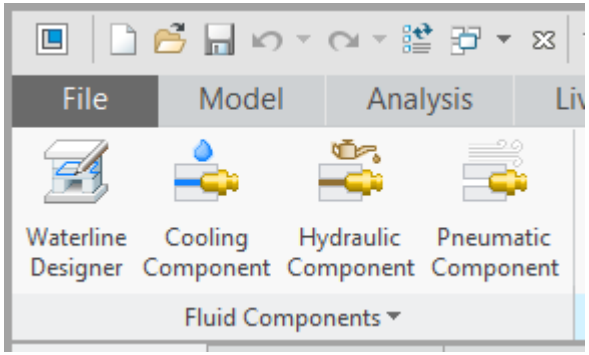
New Commands for Hydraulic and Pneumatic components:

New Hydraulic components:

- Meusburger E1700, E7140

New Pneumatic components

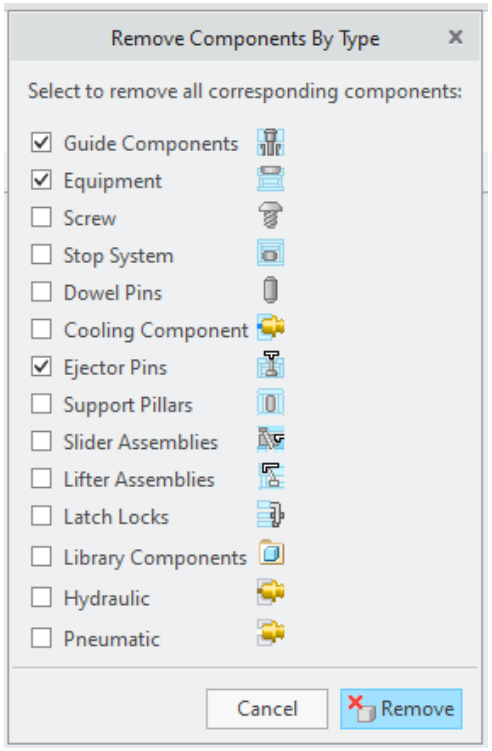
- Festo GS-G-I, QS-R-I



Enhancements

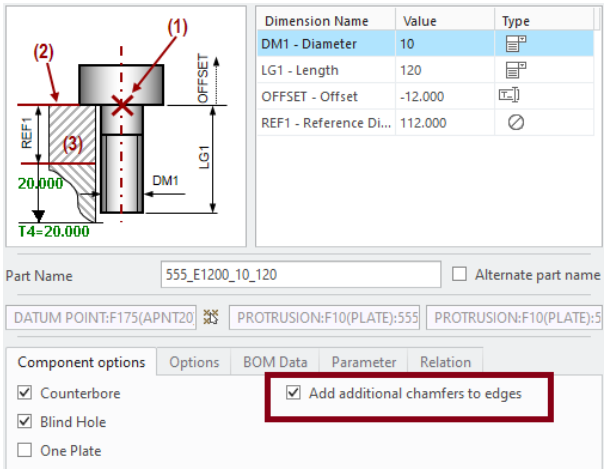
New Dialog to delete all components of a selected type:

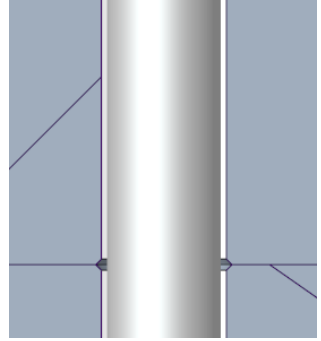
Current function to delete all cooling components or all ejector pins is extended for all different components types.



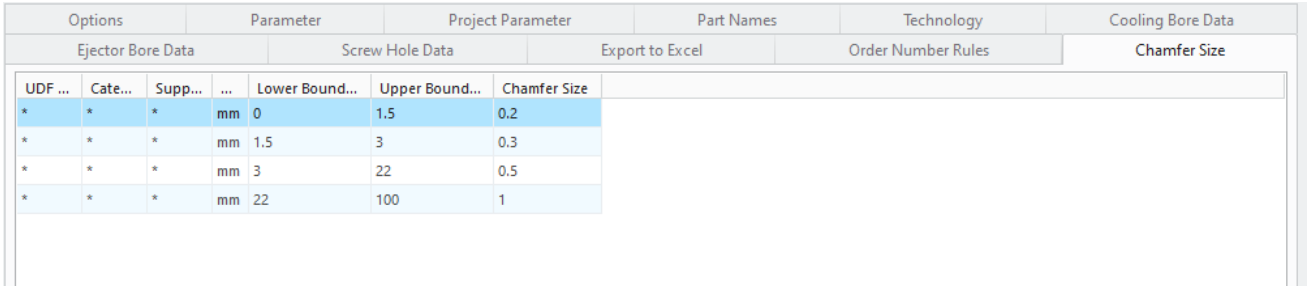
Enhancements

New Option in Component Dialog to automatically create chamfers on edges in cutout UDFs for all kind of components:





A rule set for chamfer sizes can be defined in EMX options.



Enhancements

New Command to transfer surface parameters from reference part to mold volumes:

- Manufacturing information can be transfered from the reference part to further derived models in the cavity.
- Supports model-based definition approach.

Enhancements and Improvements

New Option SOLID_TOLERANCE_STANDARD:

- Set solid tolerance standard independet from unit.

IGES, STEP, DXF export in BOM works with active Windchill workspace

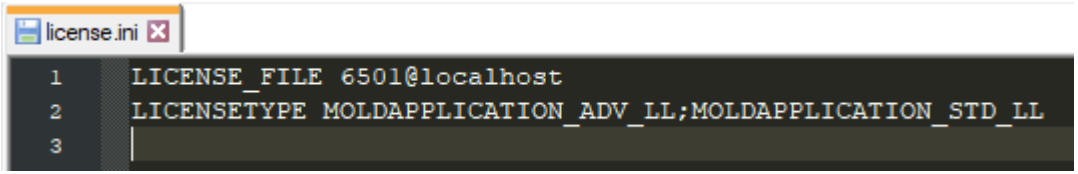
New MEUSBURGER guide components

- E5140, E5152 an E5202

Option BOM_BALLOON_CUSTOM_PARAM works now with component parameters

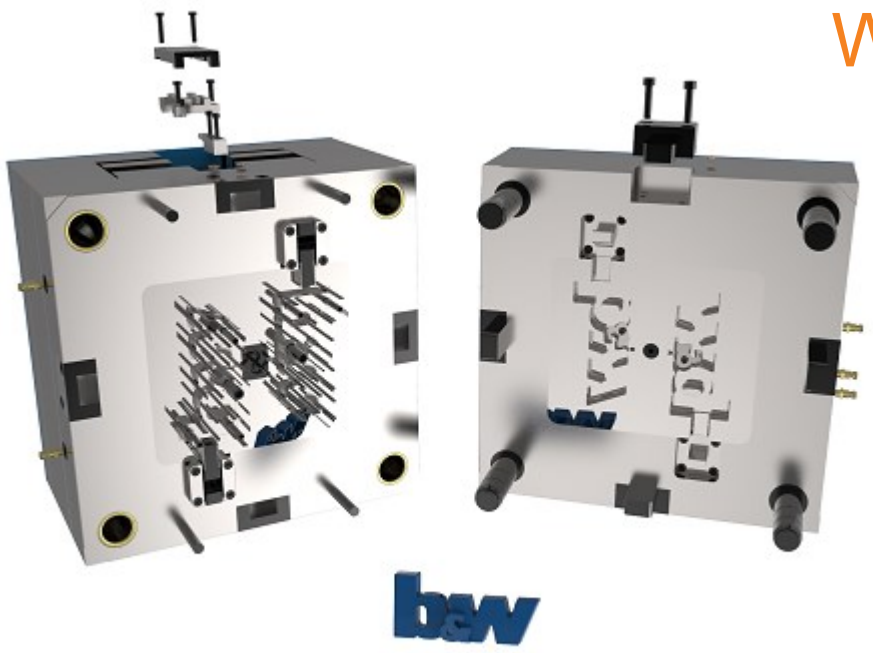
License.ini supports multiple license types on same license server

- In case multiple licenses types are defined a license can be selected froma dialog box.



EMX 12.0.2.3

What's New?



Enhancements

"Trimmed " and "Shortened length" can be added to Ejector Pin notes parameter:

- Create an ejector pin pre or post note string using the EMX options EJP_NOTE_PRE_STRING or EJP_NOTE_POST_STRING
- In case the configuration option contains the placeholder <geometry_option> it will be replaced with „trimmed" or „shorted_length"

Enhancements

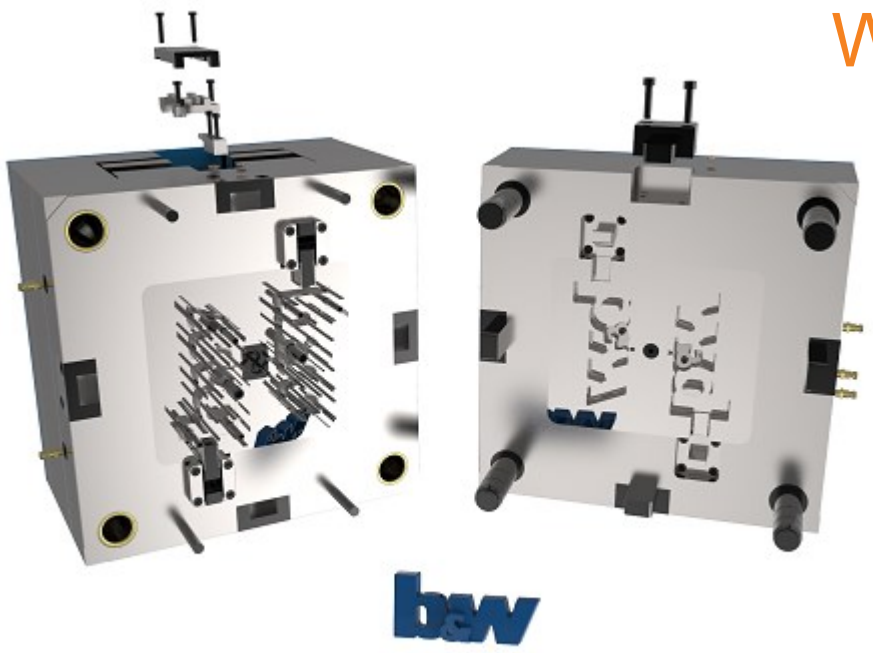
New configuration file customer_number.cfg introduced:

- This config file can be used to overwrite the content of the USER_NUMBER parameter based on supplier, category, type and instance of a component.

- This allows the configuration of custumer number values without modifying the component *dat files at all.

EMX 12.0.2.1

What's New?



Enhancements

New Function in Bill of Materials:

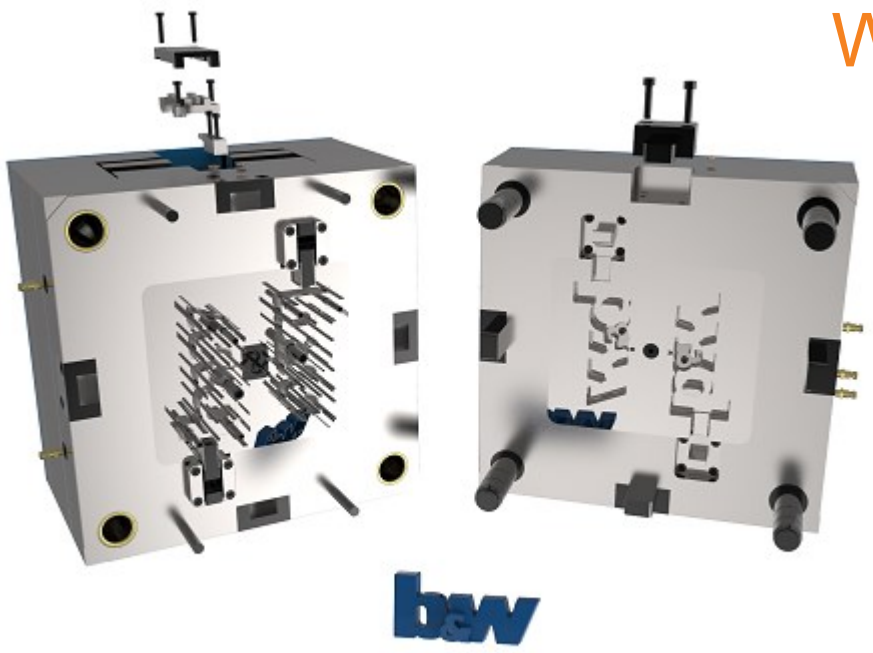
- All balloons on drawing can be deleted with one click

STRACK components updated, new guide components

- Guides: Z4412, Z4415, Z4416

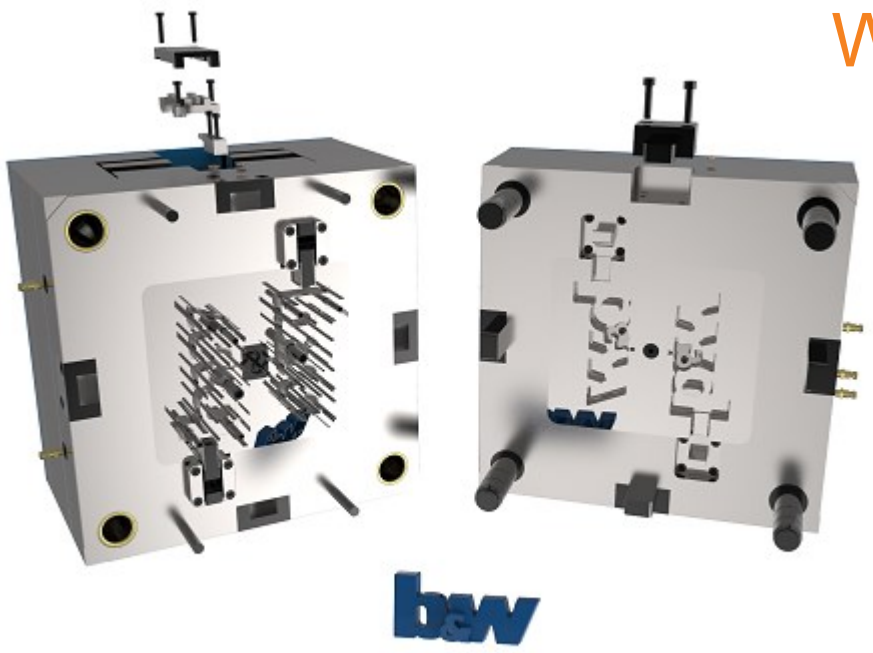
EMX 12.0.2.0

What's New?



EMX 12.0.1.0

What's New?



Components

New HASCO screws:

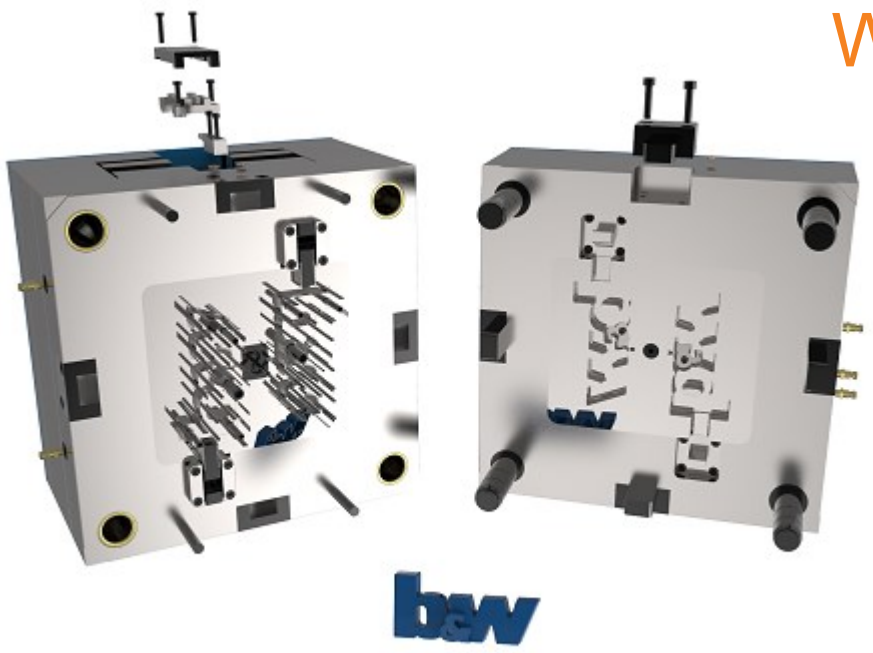
- Z34, Z351, Z371, Z372, Z3721, Z721

New HASCO sprue bushings:

- Z510, Z530

EMX 12.0.0.2

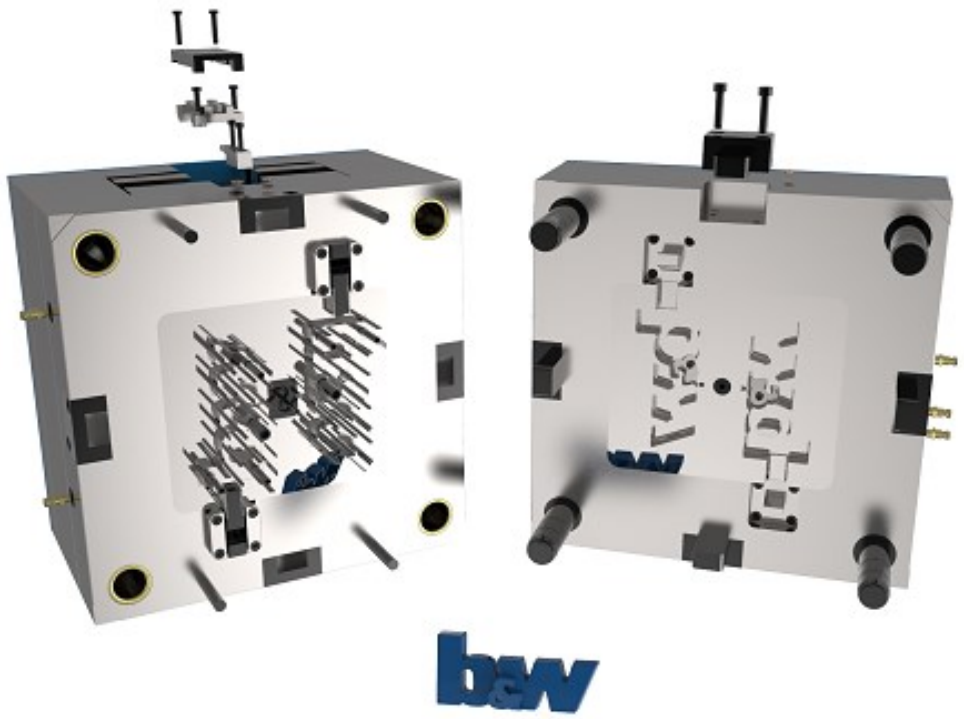
What's New?



Enhancements

New EMX 12 Tutorial is now available!

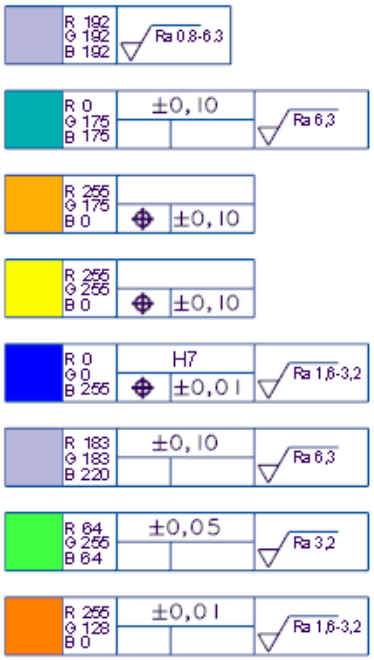
- We finally finished our new Tutorial
- You can download the PDF here: Tutorial

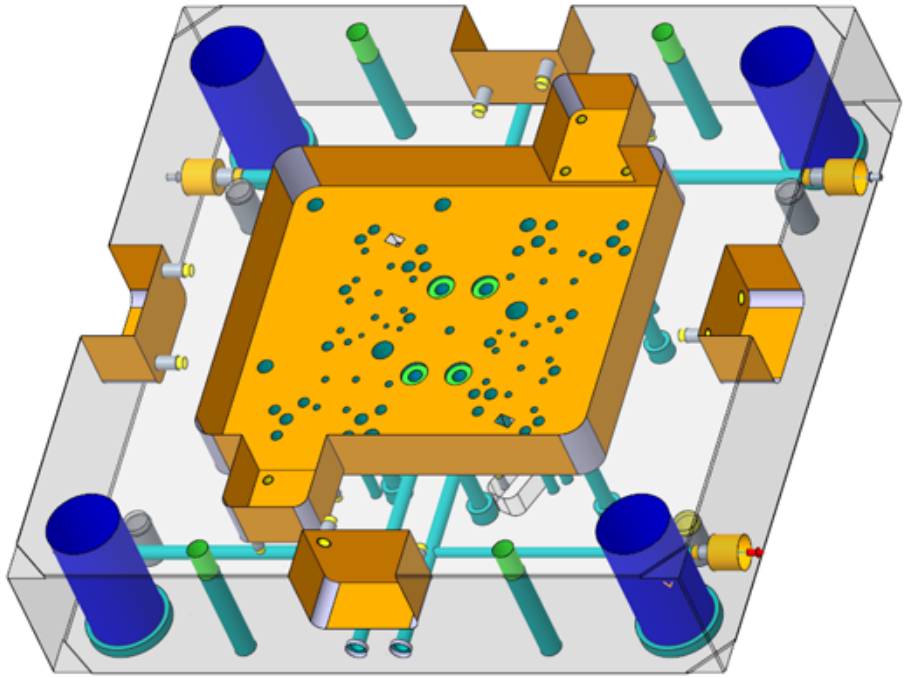


Enhancements

EMX is now SMARTColor ready!

- Apply color coding rules with B&W SMARTColor application
- More information on our website: SMARTColor in EMX





Enhancements

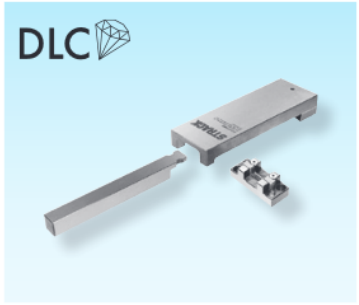
New STRACK Z4 latch lock assembly

- New assembly contains all variation of the Z4 latch lock

STRACK® NORMALIEN

Entformungselemente – indirekt | Demoulding elements – indirect
Eléments de démoulage – indirects

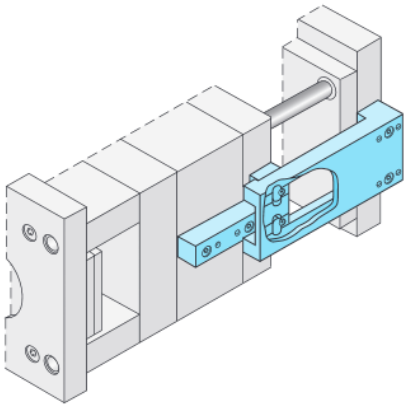
Klinkenzüge	Latch locks	Ouvres-moules

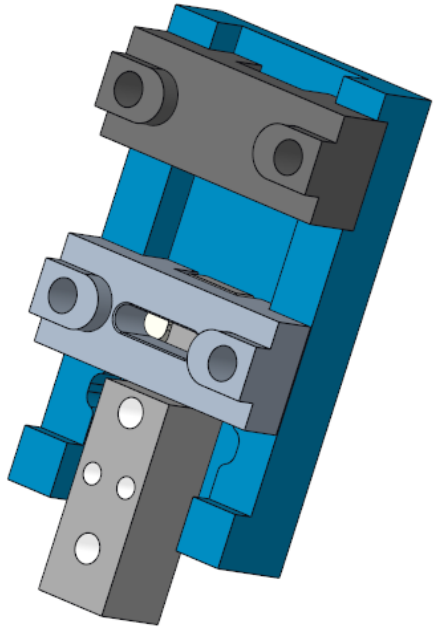


Z4-1-

deutsch 6.84-94
english 6.95-105
français 6.106-116

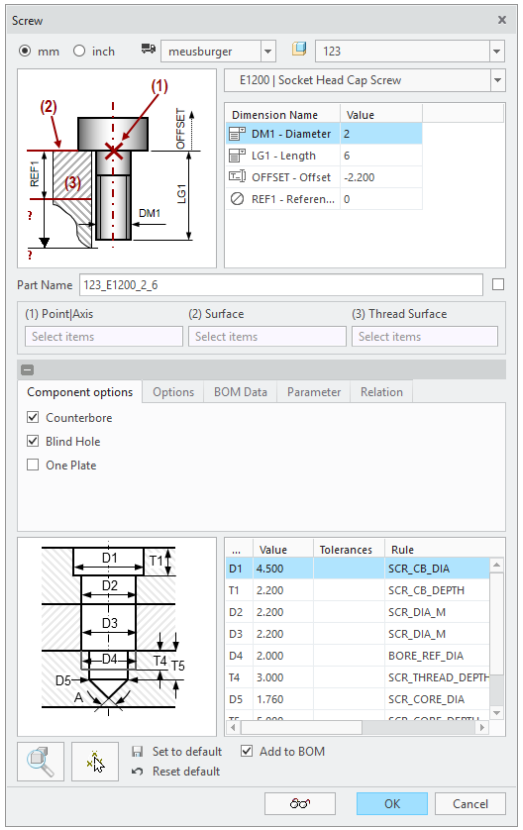
Z4-1-Type



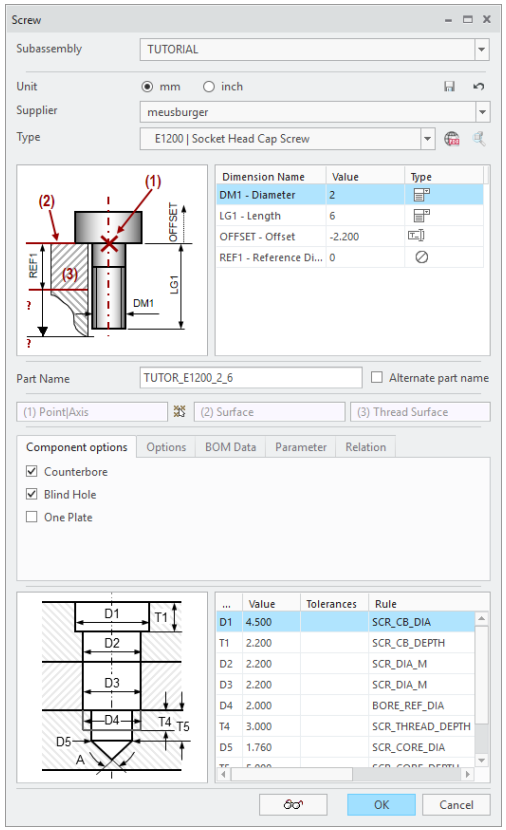


Enhancements

Streamlined UI of Component Dialog:



- Old



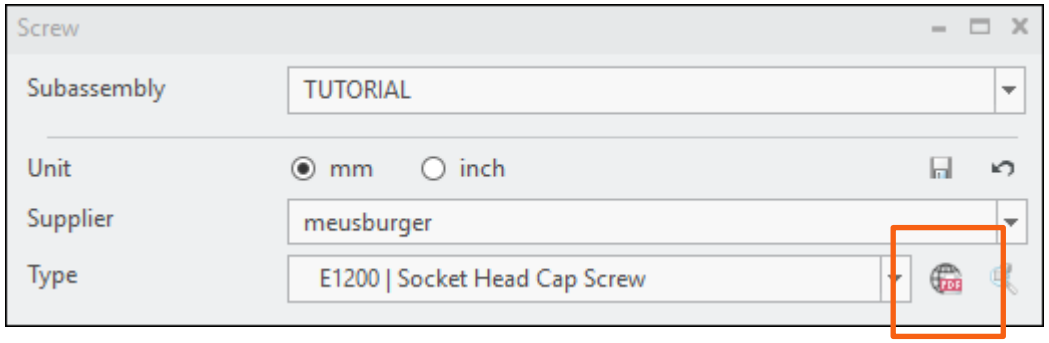
- New

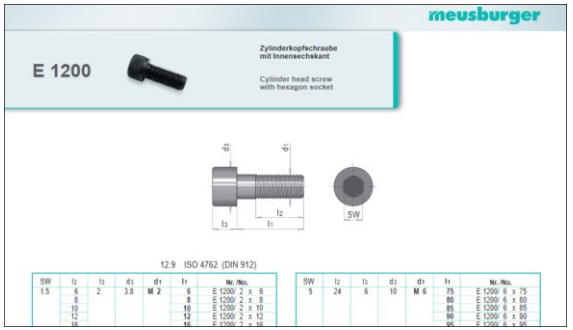
- Type selection improved
- Buttons moved from bottom area to related UI elements
- Dialog is resizable and can be maximized
- Missing UI descriptions added

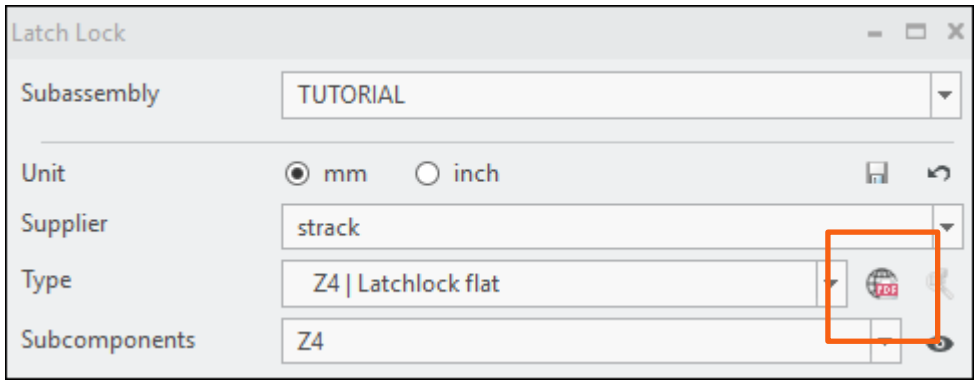
Enhancements

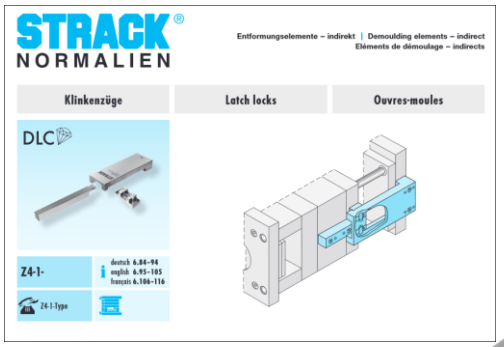
New weblink button in Component Dialog:

- Access data sheets on supplier website with one click!









Plates

HASCO plates updated:

- All plates and instance updated to latest revision

New KNARR plates added:

- KNARR – F (Meusburger compatible) and K (Hasco compatible) plates are now available

Components

New KNARR guide components:

- 551000, 551000DLC, 551010, 551010DLC and 551100

New KNARR ejector pins:

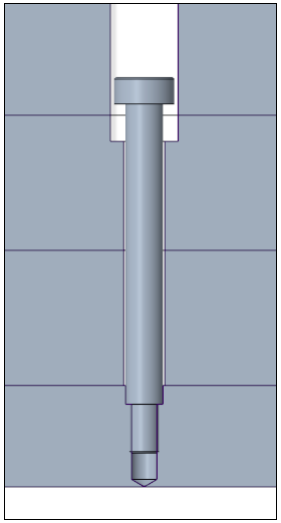
- 539111, 39111DLC and 39414

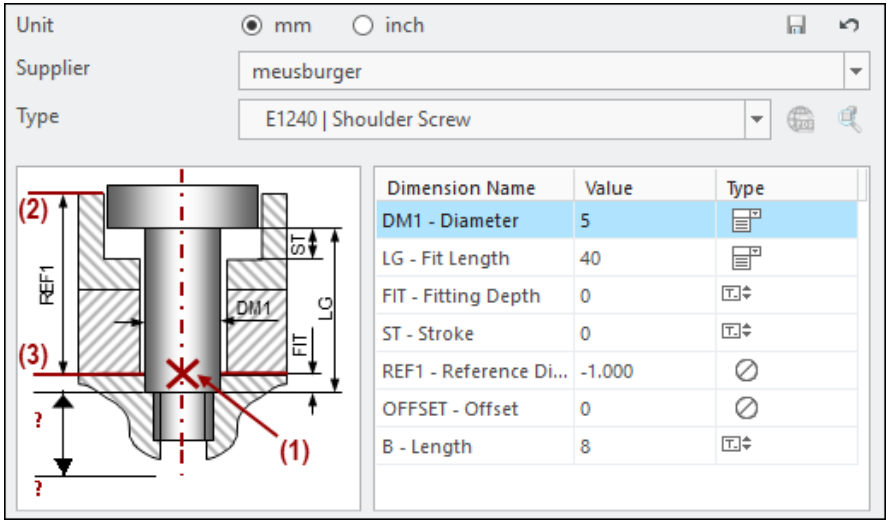
New KNARR insulation plates:

- 77335 and 77336

Improved shoulder screw functionality:

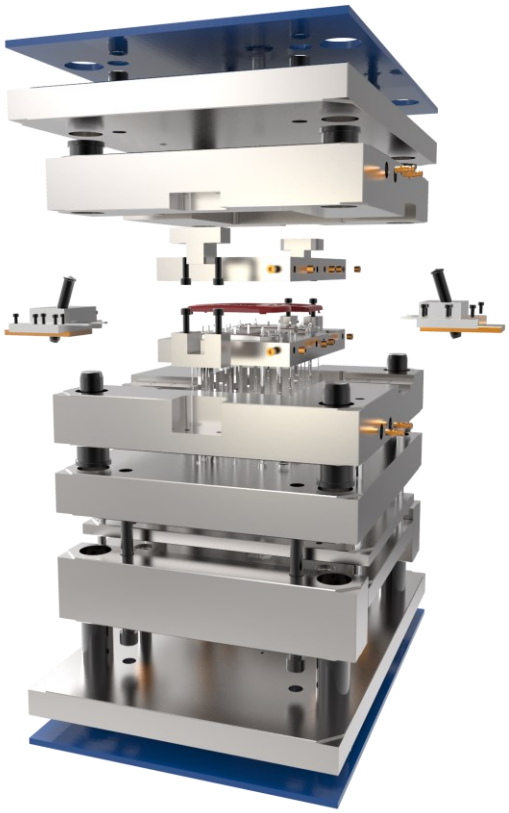
- Meusburger E1240, Hasco Z38, Knarr 40038, DME WZ412 and DIN 7379





EMX 12.0.0.1

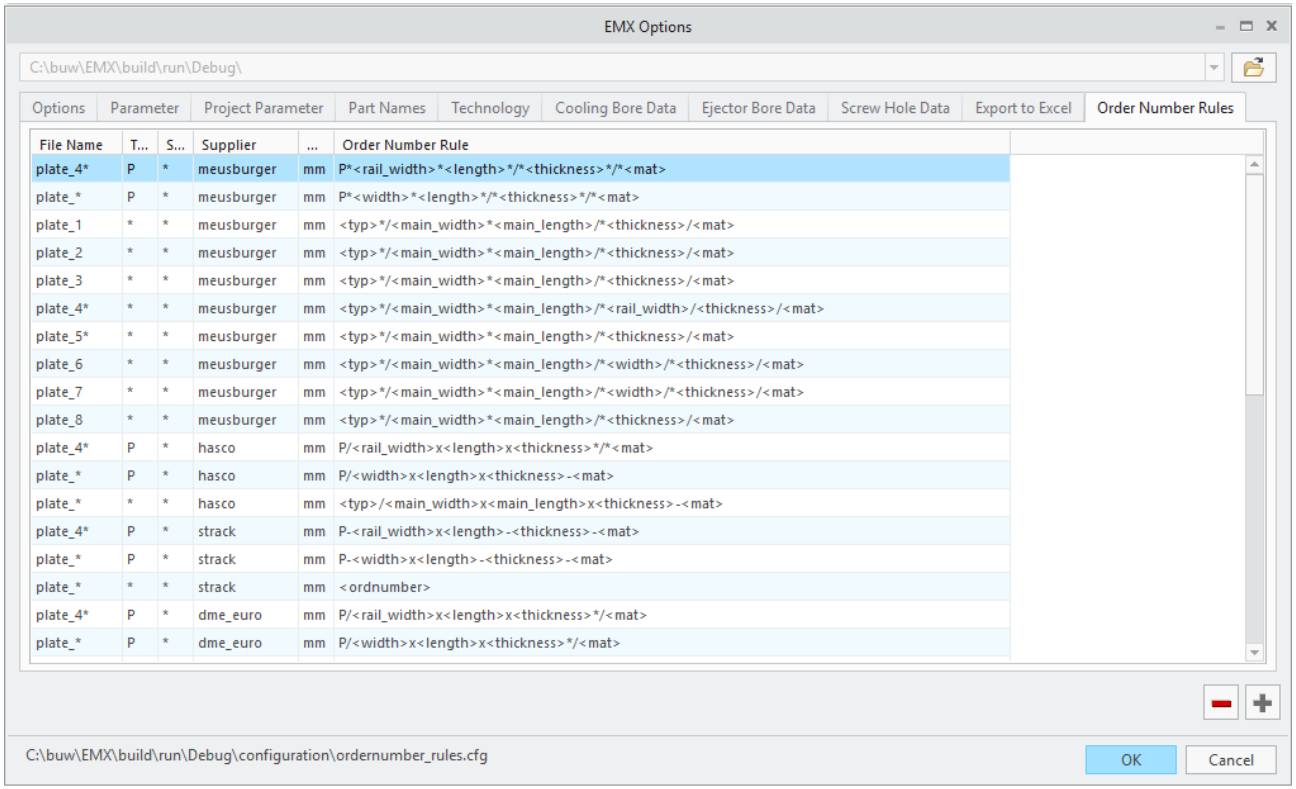
What's New?



Enhancements

New configuration section: Define custom order number rules

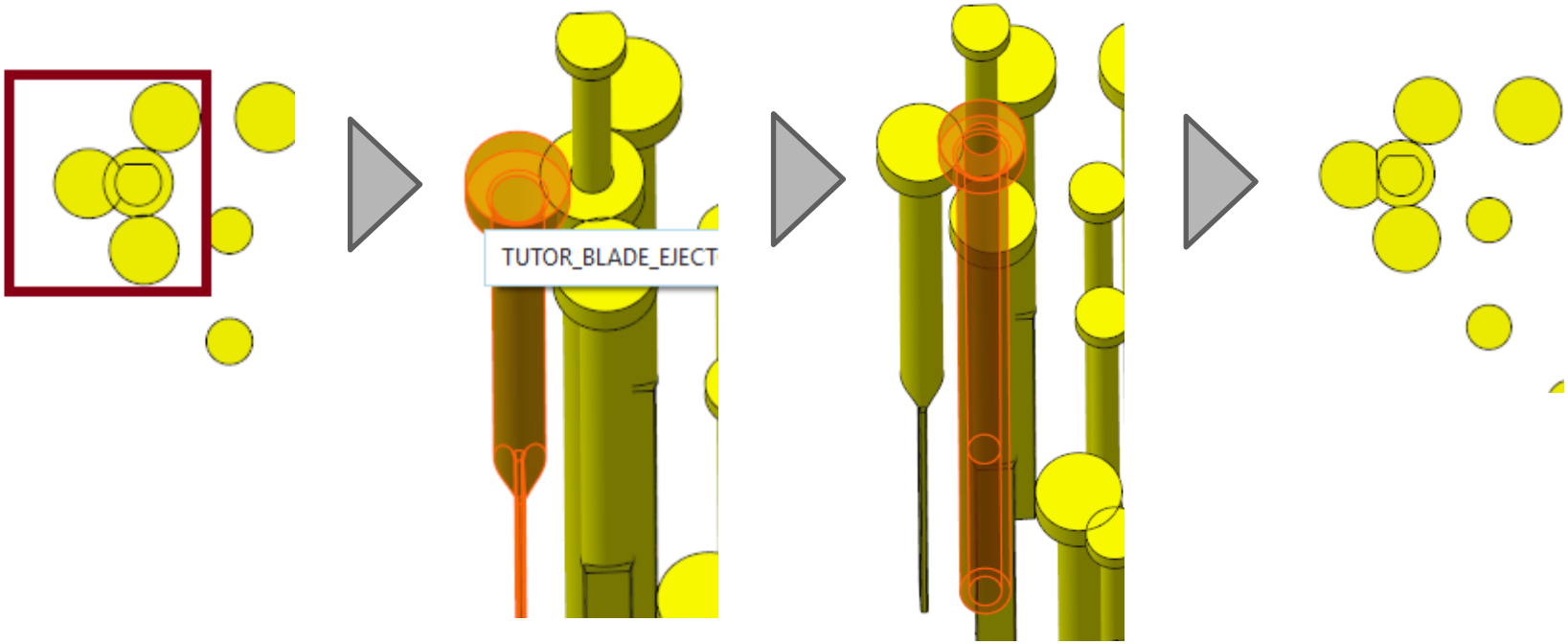
- Rules can now be different for different suppliers, type, units and file names



Enhancements

New Feature: Trim Ejector Pin heads against each other

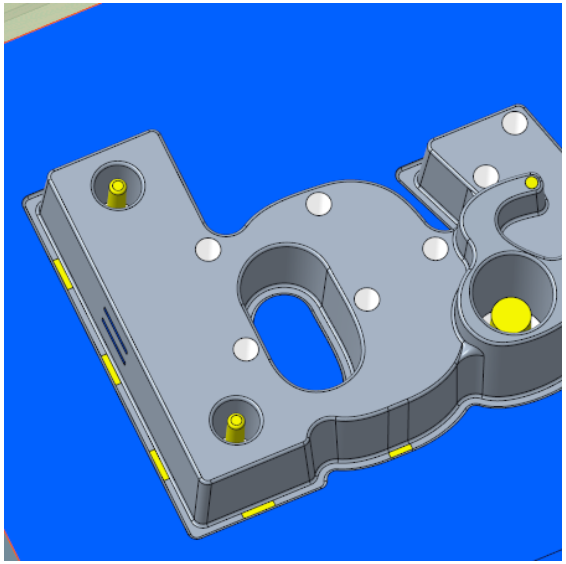
- Interfering ejector pin heads can be trimmed by selecting to different ejector pins

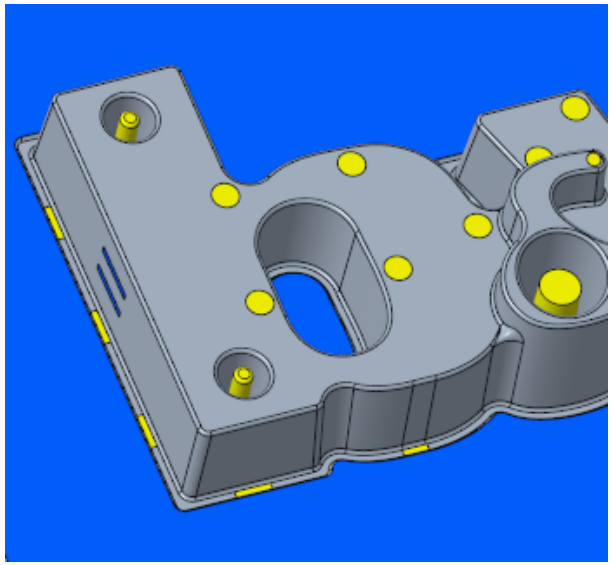


Enhancements

New Feature: Update Existing Ejector Pins Dialog

- New command in Ribbon
- Update ejector pins length and order number in case required reference distance has changed.

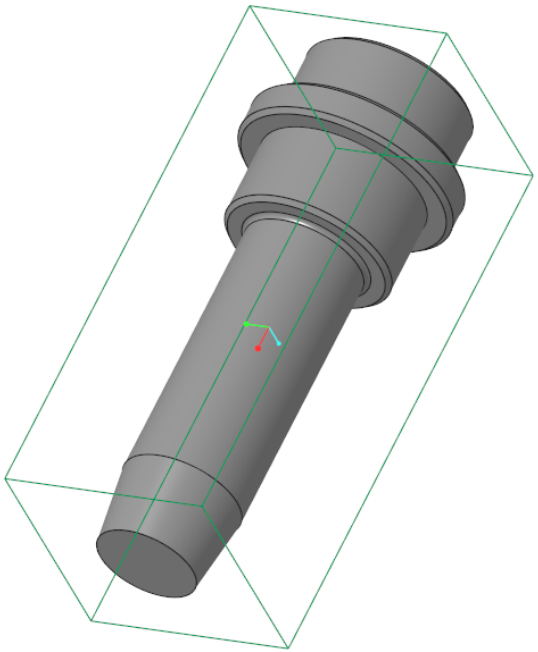


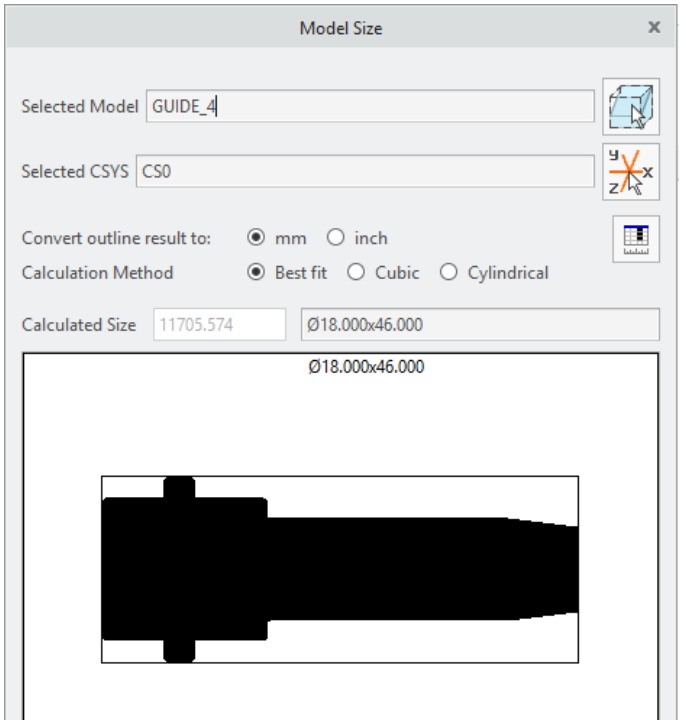


Enhancements

Improvement for Model Size Dialog

- Display outline values in drawing area
- Allow user to toggle between cubical and cylindrical result in case cylindrical result was determined.
- Improve algorithm to detect cylindrical parts



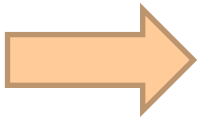


Enhancements

Improved performance of parameter read and write function

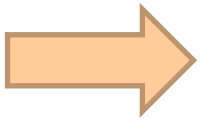
Reduce time working with EMX!

- Assembling of Components



i.e. 240 Ejector Pins: ~45 % faster

- Bill of Materials

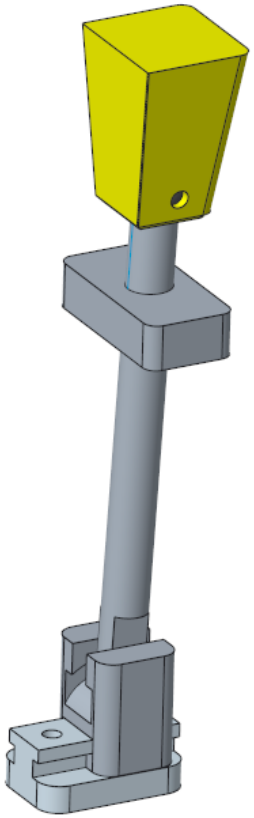


i.e. Open Bill Of Materials Dialog: ~ 40 % faster
i.e. Close Bill Of Materials Dialog: ~ 55 % faster

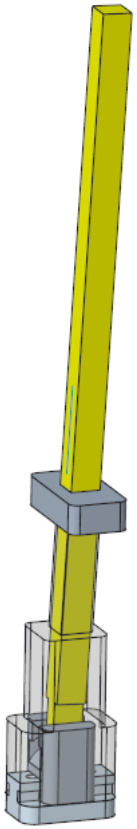
Enhancements

New MEUSBURGER Lifter assemblies added

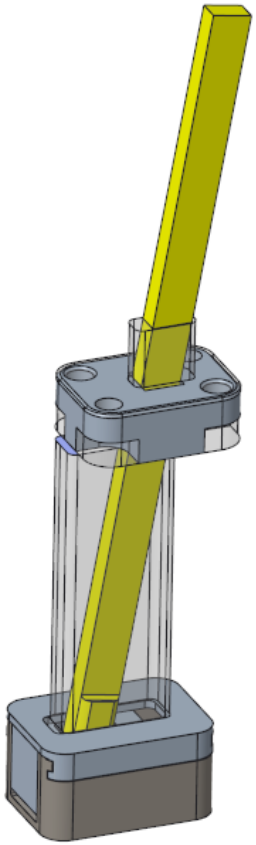
- Additional improvement: Trimmed body can be displayed in Preview



- E3244 + E3240



- E3246 + E3240

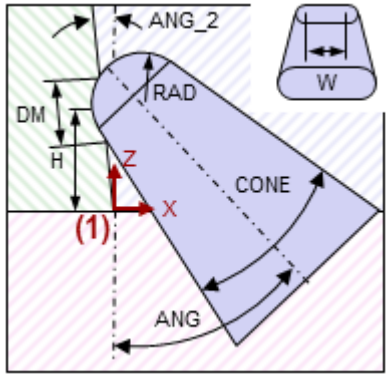


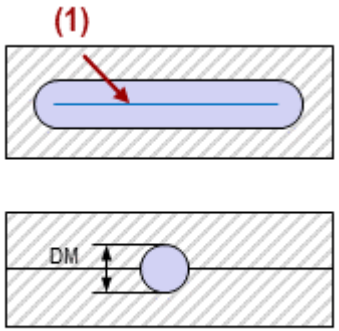
- E32481 + E3248 + E3249

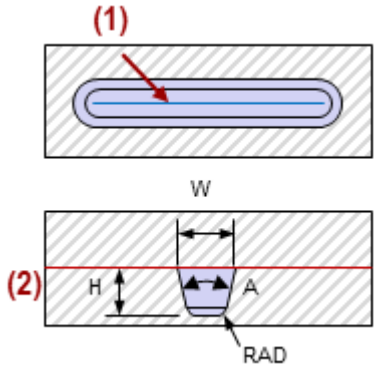
Enhancements

New Runner Library Components

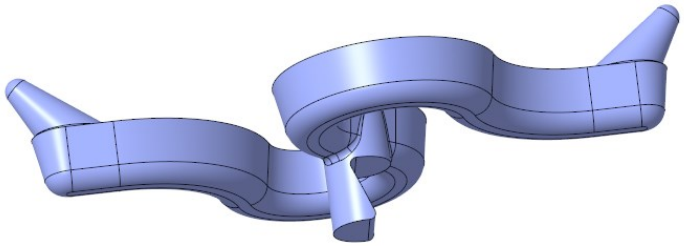
- With the new library components and UDFs runners can be designed easily.







- Conic Gate
- Round runner section UDF
- Trapezoid runner section UDF



New Components

MEUSBURGER

- New Cooling Components: O-Ring E21311
- New Ejector Pins: E17003 and E1723
- New Side Interlocks: W44, Z38,Z46

HASCO

- New slide plates Z555, Z556 and Z557
- New and updated Ejector Pins Z412, Z4650, Z4651, Z4670, Z4671, Z413, Z443, Z457, Z461, Z465, Z44, Z441, Z45 and Z45
- New Guides Z14 and Z1105
- New Cooling Components Z9430 and Z9400

Updated Components

MEUSBURGER

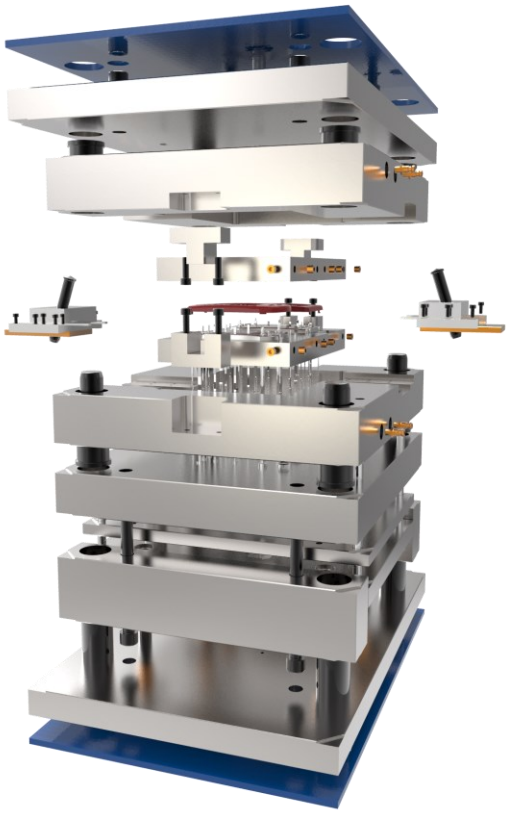
- Update E-Components to latest state: 1st quarter 2019

HASCO

- Remove deprecated Z30 screw
- Screws: Z30 and Z33
- Knockouts: Z02
- Locating Rings: K100, K107, K500, K501, K505, K506, K1000, Z7510, Z7515, Z7520, Z7525, Z7530, Z7535 and Z7540.
- Dowel Pins: Z25 and Z26
- Guides: Z01, Z010, ZU10, Z20, Z040 and Z0100
- Cooling Components: Z94, Z940 and Z9661

DIN

- More screw lengths are available for DIN screws



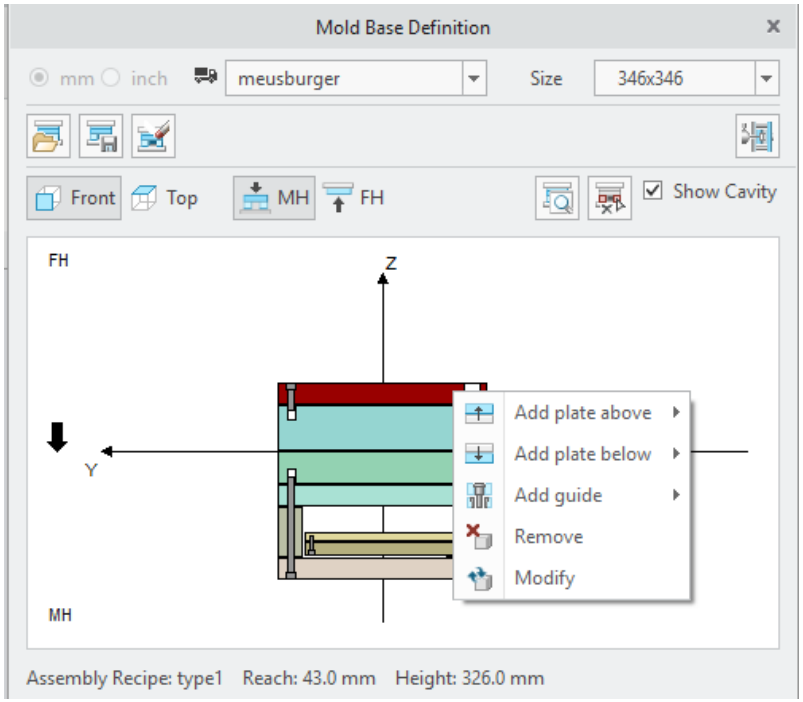
EMX 12.0.0.0

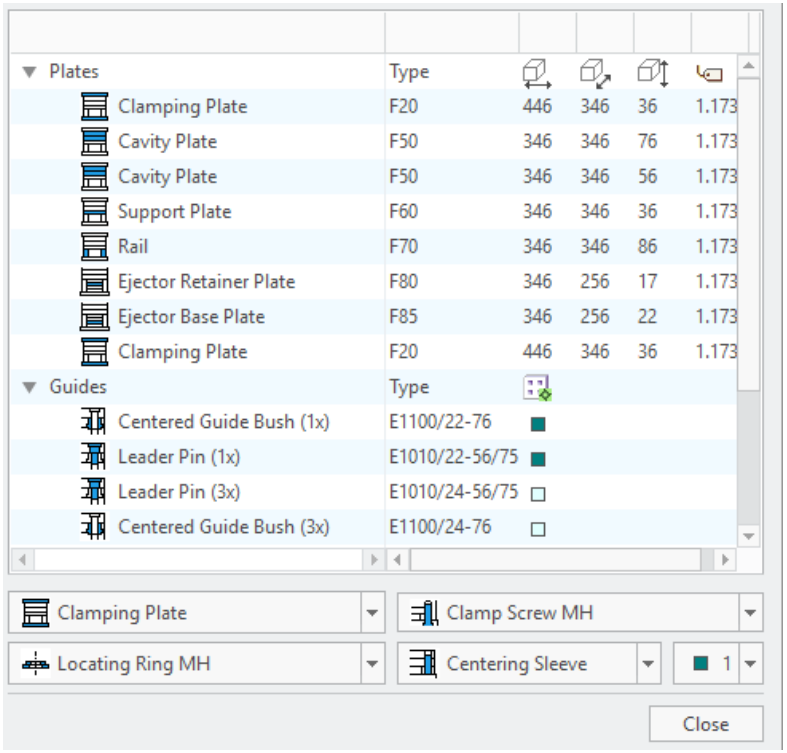
What's New?

Enhancements

New Summary Tree in Moldbase Definition Dialog Box

- Use the Summary Tree to review and modify all assembled plates, components, and patterns.

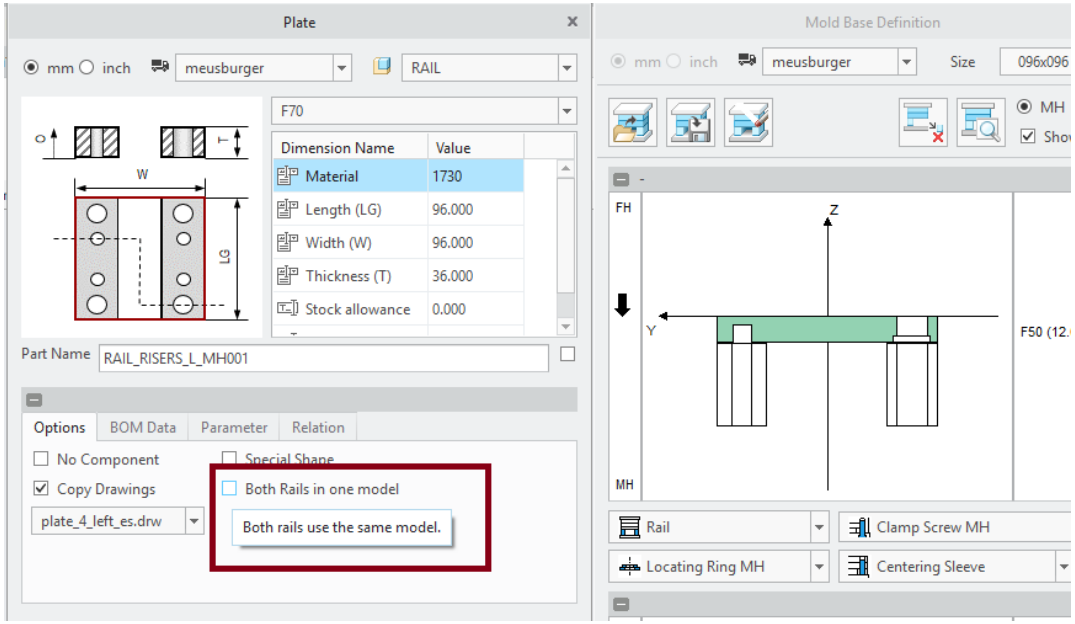


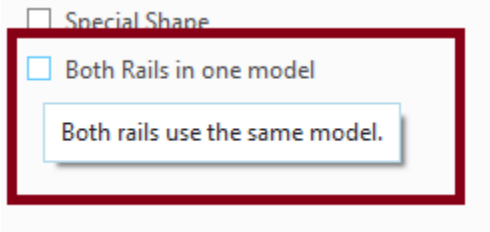


Enhancements

“Use One Model Rail” can be modified from Rail Plate Dialog

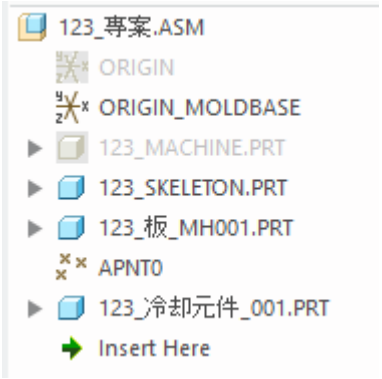
- The EMX Option USE_ONE_MODEL_RAIL only sets the default for check button
- Different types of rail models can be assembled to one mold base

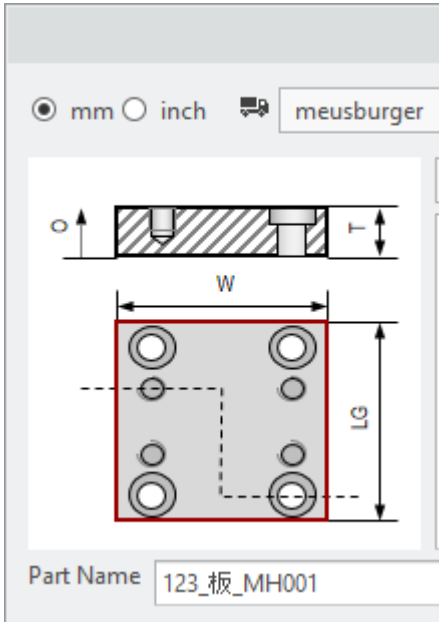


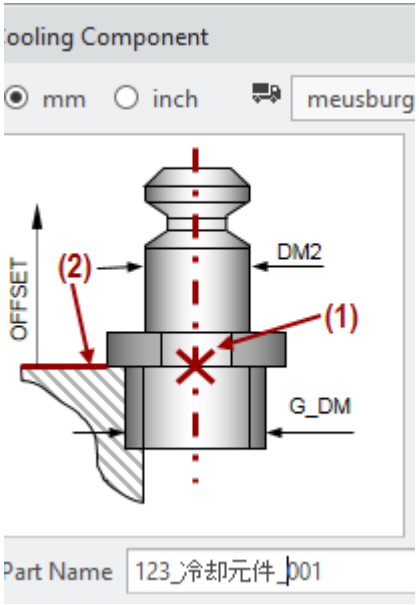


Enhancements

Unicode characters are supported for file names, parameter names and parameter values.







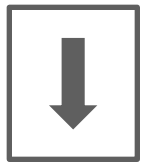
Enhancements

In BOM Dialog use UP and DOWN arrow keys to jump to next cell at top or bottom.

- Reduces clicks when working in the BOM
- Current cell value is confirmed and next cell is activated

PARTID	BOM_NAME	S
01-0001	Aufspannplatte Auswerferseite	M
01-0001	Auswerfergplatte Auswerferse...	M
01-0001	Auswerferplatte Auswerferseite	M
01-0001	Leiste Auswerferseite	M
01-0001	Leiste Auswerferseite	M
01-0001	Zwischenplatte Auswerferseite	M
01-0001	Rahmenplatte Auswerferseite	M
01-0001	Rahmenplatte Duesenseite	M
01-0001	Leiste Duesenseite	M
01-0001	Leiste Duesenseite	M
01-0002	Aufspannplatte Duesenseite	M
01-0001	Auswerfergplatte Duesenseite	M
01-0001	Auswerferplatte Duesenseite	M

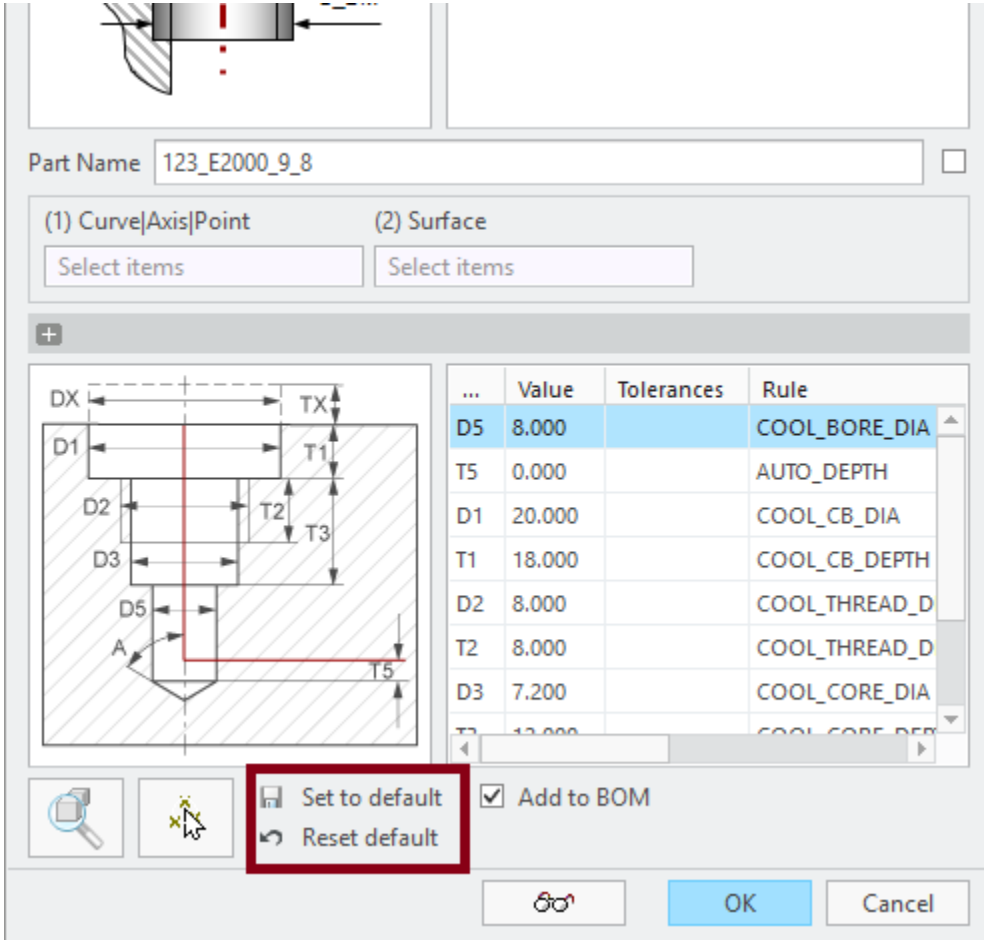
01-0001	Auswerferplatte Auswerferseite	
01-0001	Leiste Auswerferseite	
01-0001	Leiste Auswerferseitep	
01-0001	Zwischenplatte Auswerferseite	
01-0001	Rahmenplatte Auswerferseite	



01-0001	Auswerferplatte Auswerferseite
01-0001	Leiste Auswerferseite
01-0001	Leiste Auswerferseite
01-0001	Zwischenplatte Auswerferseite
01-0001	Rahmenplatte Auswerferseite

Enhancements

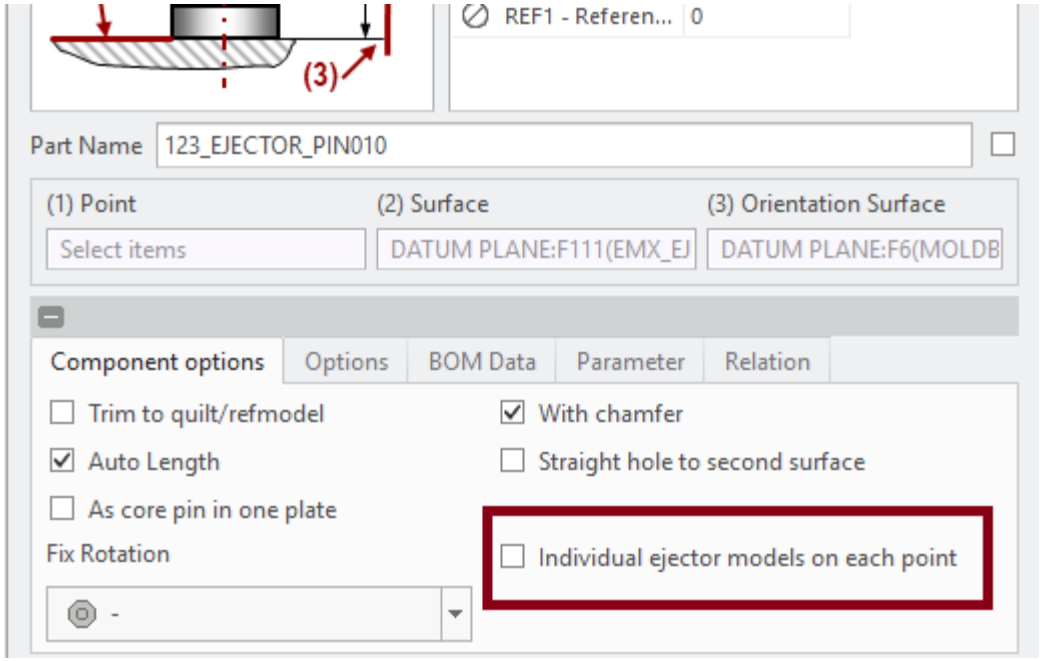
New button in Component Dialog to reset saved component instances to default.



Enhancements

Ejector pins defined on multi point features can be forced to be created as individual models.

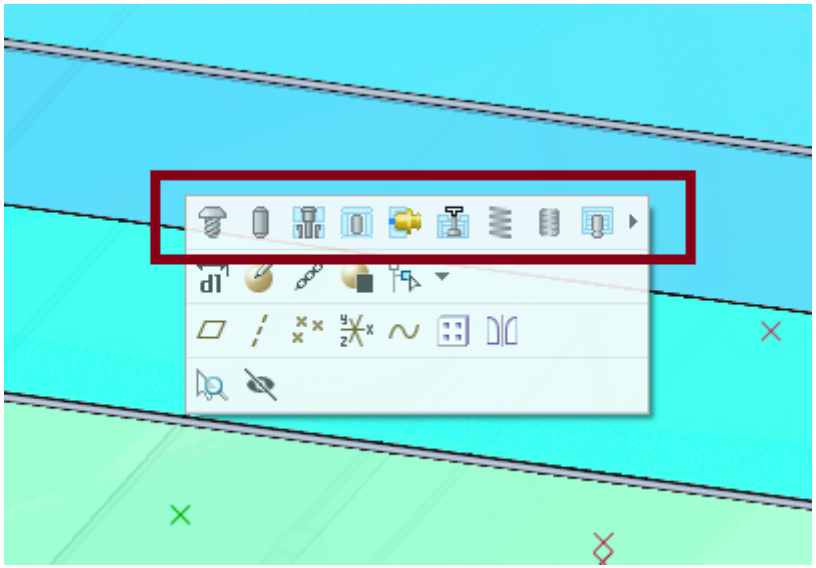
- Previously option ENABLE_MULTI_EJP behavior in EMX Options
- The EMX Option ENABLE_MULTI_EJP only the sets default for check button

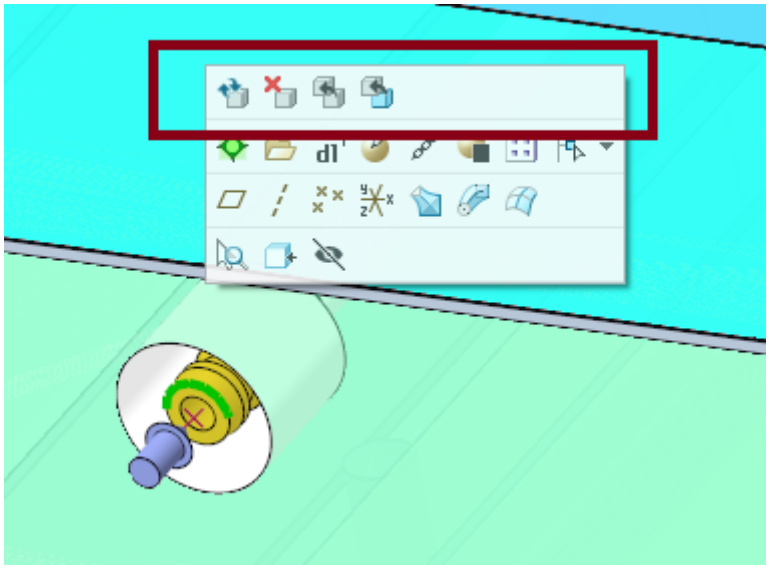


Enhancements

Enable Mini Tool Bar with EMX 10 and Creo 4.0

- Select Datum Points and Axis
- Create Components by Mini Tool bar commands
- Selection of selected datums is immediately stored in Component Dialog

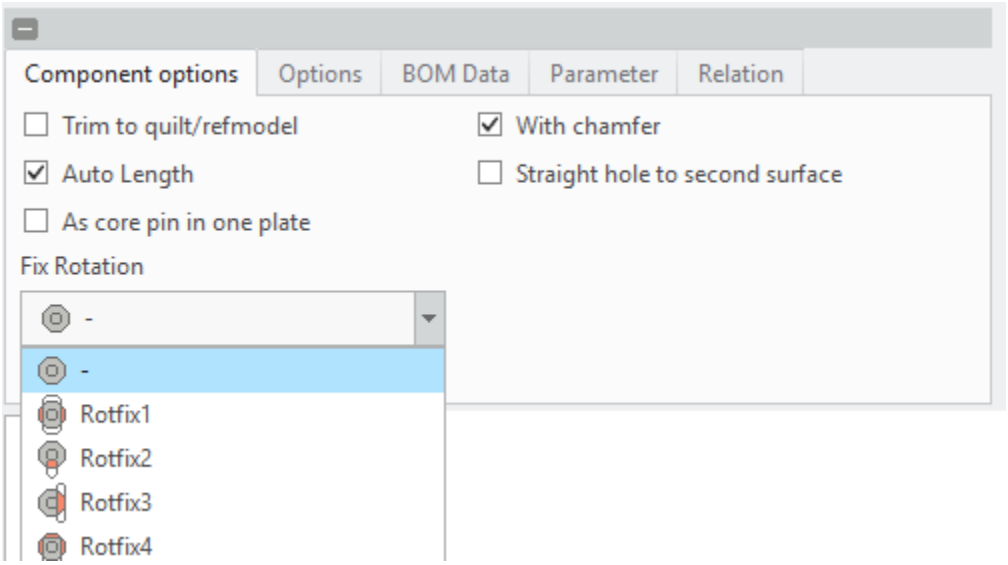




Enhancements

Improve Ejector UDFs and Options

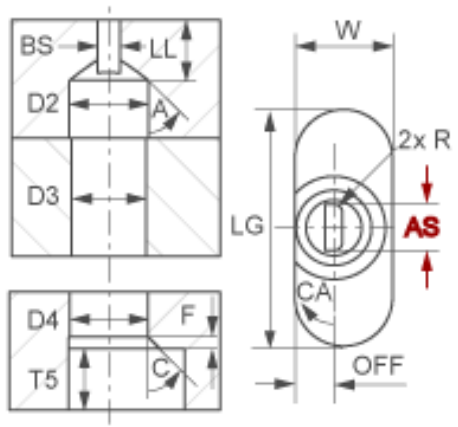
- New Rotation Fixture Type
- New Chamfer Option
- Visualization of Trim Option
- Separate Rotation Fixture Angle for all UDF Types
- Improved Preview Sketch UDFs
- Separate Tabs for Component Options and Assembly Options

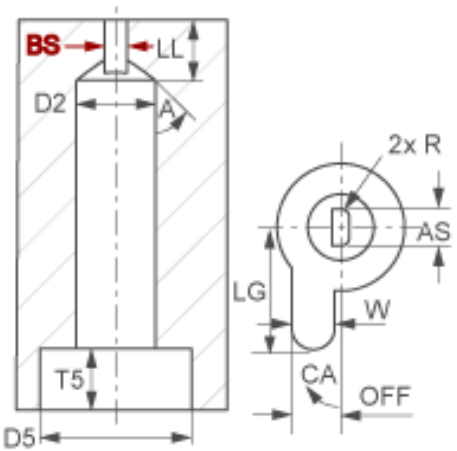


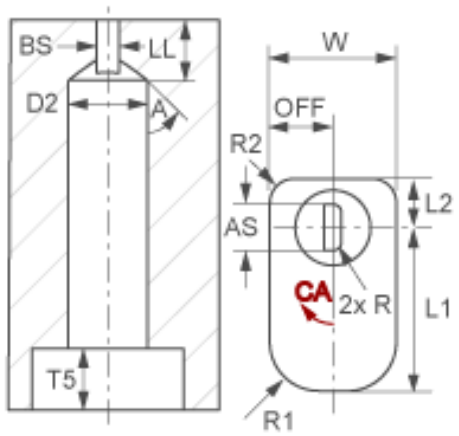
Enhancements

New UDF Images for Cooling Components, Guides, Ejector Pins and Dowel Pins

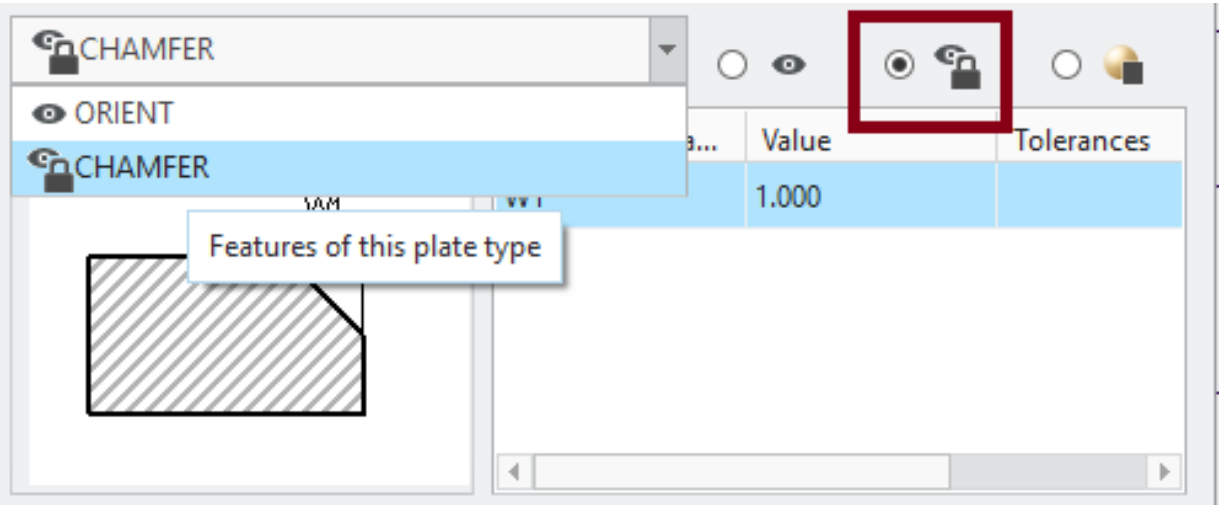
- Verification of all visualized UDF dimensions
- New Design







Enhancements

New Feature Visibility Status Type “Visible Locked” in Plate Dialog

- Feature can be resumed and locked.
- It will not be suppressed when changing the size of the plate